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# NOTES OF THE CAMPUS

## ARCHITECTS

It is always a big argument between architects and engineers whether the architectural aspect of a building is more important than the engineering or constructive phase of it, and the engineers "reaction" to architecture is often quite interesting. For this reason the talk by Dean Hitchcock before the Architect's Club in April was of unusual interest, in that it afforded the Architectural students a little side line on what the engineer thinks of some of the historic structures the student looks upon as architectural masterpieces. After commenting on engineering involved in the construction and design of some foreign buildings, he discussed the power and service equipment installed in some of the great office buildings of America. When in New York this year, the dean made especial effort to inspect the equipment that handles the elevators, heating and ventilating, and other service features of several famous skyscrapers, such as the Singer and Metropolitan buildings, for the purpose of having a little first hand information for this talk.

Great mystery surrounded the award of the prize for the Small Public Library Competition which was announced about the first of April. Dr. T. C. Mendenhall, a member of the Board of Trustees, was influential in having the design for a library for his home town, Ravenna, turned over to the Junior and Senior students in design as a problem, and to stimulate interest, offered a prize of \$25 for the design placed first. The jury was unable to determine a preference for the designs submitted by Milton S. Osborne, '22, and Paul L. Wood, '23, the former being commended for the elevation, the latter for the plan. They had decided to split the prize equally. But a few days before the award was to be announced, a well known architect of New York City, Welles Bosworth, a member of the powerful Art Commission of that city, was in Columbus, and in conversation with members of the jury, learned of their decision to divide the prize. Declaring such an act to be detrimental to the interest of students when they have worked for a definite goal, he produced his book and wrote out a check for \$25, which enabled the jury to award each designer an amount equal to the original prize.

## CERAMICS

On the annual inspection trip 25 juniors and seniors visited plants in Pittsburgh, Pa., Beaver Falls, Pa., East Liverpool, Ohio, Wellsville, Ohio, Steubenville, Ohio, Zanesville and Roseville, Ohio. The plants inspected manufactured chinaware, fire brick, glass and enameled steel and iron. This is the first year an extensive inspection trip has been made by the Ceramic Engineers.

It is planned to have the Ceramic Engineers laboratories and machinery in Lord Hall in full operation during the Engineering Exhibit, and Ceramic ware will be shown in the various stages of production.

The meeting of the Student Branch of the American Ceramic Society on March 14, was taken up

by a discussion and report of the technical papers read at the annual convention of the American Ceramic Society, held in St. Louis.

On April 11, Mr. Stull, head of the Bureau of Mines Ceramics station in Lord Hall, presented an excellent illustrated lecture upon "Kiln Firing." The data presented were collected by a crew of Bureau of Mines men, who are traveling from plant to plant over the country in a specially equipped laboratory railroad car. The Bureau has produced evolved by actual work of the crew on the kilns. evolved by actual worth of the crew on the kilns. Mr. P. S. Bachman, Ceramics Engineer, '21, is in charge of the field work.

The Journal of the American Ceramic Society, official organ of the national group of ceramic engineers, technicians and owners, is now edited on the campus of Ohio State University. R. C. Purdy, Secretary of the Society, with headquarters at Lord Hall, was appointed Editor of The Journal by the Board of Trustees at the last annual meeting. The May number is the first one to come under Mr. Purdy's jurisdiction and it contains new features of interest, especially to the practical ceramic man. Plant application of scientific research, discussion of mooted questions and problems, and a department of Society news items will be included in the coming numbers. Formerly The Journal was edited by Dr. E. W. Washburn of the University of Illinois, and Miss Emily C. Van Schoick, the Assistant Editor, has been transferred from Urbana to Columbus.

## MECHANICALS

Prof. Carl E. Norman of the department of Mechanical Engineering attended the second national convention of commercial engineering, held at Carnegie Institute of Technology, Pittsburgh, May 1 and 2. He represented the Society of Automotive Engineers.

The conference was called by the United States Commissioner of Education to investigate business training for students of business. About 200 delegates from colleges in the United States and Canada, engineering professional societies, chamber of commerce and trade organizations were present at the convention.

The Society of Automotive Engineers at present has no active student branch at Ohio State, but it is hoped by present members in the University that such an organization will soon be perfected.

The society was organized to promote the arts and sciences and engineering practices connected with the design and construction of automobiles, all forms of self-propelled or mechanically propelled mediums for the transportation of passengers or freight, and internal combustion prime-movers. A monthly journal is published which is sent to each of the members. Thus an opportunity is afforded the students for contact with the leaders of the automotive industry.

Faculty members of the society are Professor C. A. Norman and Mr. H. M. Jacklin of the M. E. department.

## CIVILS

The United States Government, through its Board of Engineers for Rivers and Harbors, has made extensive investigations concerning the feasibility of constructing a canal to join Lake Erie and the Ohio River. Examinations showed that there are four possible routes for such a canal, the best one being the Pittsburgh-Ashtabula route, with the Portsmouth-Sandusky and the Cincinnati-Toledo routes following in order. These three routes are to be examined and surveyed for the purpose of finally determining which of these affords the best route for such a water way. The canal for which the investigations are being made has a depth of 12 feet with a suitable width that will be capable of handling a tonnage of 20,000,000 tons annually.

After these examinations the board recommended to Congress that funds be appropriated for surveying the above-mentioned routes. The House of Representatives has recommended that \$75,000 be appropriated for this purpose, but the appropriation has not passed the Senate Committee and the bill will be re-entered the next time the board makes its recommendations.

On April fifth the Senior and Junior class in Civil Engineering went to Dayton, Ohio, to attend the convention of The American Society of Civil Engineers, and to look over the great flood prevention work that has been done in that locality. It has been conceded by hydraulic engineers that this is the greatest engineering flood prevention work done, outside of the Mississippi River improvement, in the country.

The first day of the convention was given over entirely to talks and discussions on flood problems. These talks were given by noted engineers in this line of work. Among these men were Mr. N. C. Grover, Chief Hydraulic Engineer, United States Geological Survey; Mr. A. P. Davis and Mr. J. A. Ockerson, both Past Presidents of the society; Mr. C. E. Grunsky, Vice President of the society, and Mr. John R. Freeman, President of the society, who gave one of the most outstanding talks on "The Flood Problems in China," on which Mr. Freeman is an authority. The evening was given over to talks by Mr. Charles H. Paul, Chief Engineer of the project upon the Engineering work of the Miami Conservancy District and Mr. Arthur E. Morgan, former chief engineer at the Miami Conservancy District, who gave a talk upon the Financial and Organization Problems that had to be met. Mr. Morgan is considered one of the best organizers in the country, and without his ability for organization the project would possibly have fallen through.

The remainder of the time the convention was in Dayton was spent visiting the great dam sights and inspecting the channel improvement done by the district.

Two side trips were also taken, one to the National Cash Register Company's plant and the other to the American Rolling Mills at Middletown, Ohio. At both places the convention was cordially welcomed and luncheons were given in their honor. An inspection trip was then taken through the plants.

At the A. S. C. E. meeting April fifth, Mr. Martin, representative of The Barret Company, gave a talk upon Tarvia for Road Building. Among other things Mr. Martin pointed out that the two best road building materials made from tarvia are bituminous concrete and bituminous macadam, the concrete being used on roads of heavy traffic, and the macadam being used on roads where the traffic is light. Mr.

Martin was formerly a professor at Purdue University and has been employed in his present position for several years.

The Intramural basketball season closed with the Civil team suffering varying vicissitudes of fortune. Two teams were entered and each was runner-up in its class. The first team lost the championship, due to the ineligibility of one of their players.

## ELECTRICALS

The newly elected officers of the A. I. E. E. are President, William Kellogg; Vice President, R. A. Reardon; Secretary and Treasurer, Orris McGinnis.

On March 29th, Mr. Paul J. Howe of the Western Union Telegraph Company, spoke to the members of the A. I. E. E. on "Outside Problems Met in Telegraph Work." Mr. I. S. Coggeshall, General Inspector of the same company, gave a very interesting and enjoyable talk on "Multiple X Telegraph Systems."

On April 12th, Mr. J. F. Beltz of the Jeffery Manufacturing Company spoke to the members of the A. I. E. E. on the subject of "Modern Mining Machinery." This lecture was illustrated with two reels of motion pictures, taken in the heart of the West Virginia coal section.

The electrification of the Chicago, Milwaukee and St. Paul Railroad is the subject of an especially interesting lecture to be given in the chapel on May 17th. This program will be given under the auspices of the A. I. E. E. and a cordial invitation is extended to all those interested. In the performance of this electrification, all features of engineering were encountered, Civil and Mechanical as well as Electrical. Appoint yourself a committee of one to be present at this lecture and learn how these problems were solved.

After a period of numerous flashes, blow outs and misconnections, this year's class of Junior Electricals is gradually becoming oriented in their new home in Robinson Laboratory. It was quite a jump from the dry-cell Lab of the Physics Building to the Department Lab where apparatus changed from inductance coils and resistance boxes to motors and generators. Many hair raising incidents flashed up, much to the amusement of any of the dignified Seniors, who happened to be around to hear a circuit breaker pop open, see the current arc or witness the contacts of the volt-meter leads burn off with an elaborate display of fire-works, not entirely unlike that of a Fourth of July sparkler. It's a great life if you don't short circuit.

## INSPECTION TRIP

The annual inspection trip of the departments of Electrical and Mechanical Engineering was made the week of May 1st, Cleveland, Buffalo, Niagara Falls and Pittsburgh being the cities visited. Students from both departments visited the same cities but in most cases different plants were visited by the two groups.

The object of the trip is to give the engineering students some practical knowledge of the magnitude of modern industries and a view, in proper perspective, of the electrical and mechanical engineering professions. Accordingly, the plants visited were not confined to those manufacturing strictly electrical or mechanical machinery. Places of special interest to the electricals were the National Lamp Works of the General Electric Company, the Willard Storage Battery Company, the hydro-electric sta-

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'24 '23  
'25 '26

## Which will next year's captain wear?

**I**T DOESN'T need much wisdom to predict that next year's nine will be captained by a '23 man or maybe a '24 man.

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You who intend to be captains, have patience. Your year will come and so will your chance.

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**CAMPUS NOTES**

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tions of the Niagara Falls Power Company, the Chippewa-Queenston hydro-electric development, the Westinghouse Electric and Manufacturing Company and the Colfax station of the Duquesne Light Company. The Mechanicals visited several of these plants and also the Cleveland Twist Drill Company, The American Steel and Wire Works, the Pierce-Arrow Motor Car Company, the Westinghouse Air Brake Company and the American Window Glass Company.

While at Niagara some time was available for sight seeing at and near the falls, the entire party making the Niagara Belt Line trip through the Gorge.

While at the Westinghouse Works the members of the party were the guest of that company at a special luncheon. The Pittsburgh Ohio State Alumni

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## CAMPUS NOTES

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were hosts at a banquet Friday evening. Excellent entertainment had been provided and Ohio State spirit was in evidence at all times. The speakers of the evenng were nearly all alumni connected with the Westinghouse company.

Those in charge of the trip were Professors Caldwell and Puchestein of the E. E. department and Professor Brown, Mr. Stinson and Mr. Jacklin of the M. E. department.

## CHEMICALS

The Junior and Senior Chemical Engineers took their annual inspection trip the first week in May under the direction of Dr. James R. Withrow. They visited plants and factories in Dayton, Cincinnati, Chicago, Gary, Detroit and Toledo. The trip next year will include Cleveland, Buffalo and other Eastern cities.

Edgar I Smith, president of the American Chemical Society, gave a lecture on April 18, in the Chemistry Building, on "The Development of Organic Chemistry in America." He was brought here under the auspices of the Columbus section of The American Chemical Society.

Dr. Sol Deuschman will address the Chemical Society on May 10 and 11. His lectures, which are open to the public, will be on "The Quantum Theory" and "High Vacuum Phenomena."

Dr. W. E. Henderson, Dean of the Arts College, was recently married. He and his bride visited in North Carolina on their honeymoon and are now at home on Sixteenth Avenue.

Dr. W. L. Evans addressed the exchange club May 8th on the subject of Radium. He also addressed the Engineers Club of Springfield, Ohio, on the same subject.

Tau Beta Pi, honorary engineering fraternity, recently elected to its membership from the Chemical Engineers, George Bland, John Harrison and Alvin Peters.

Dr. France, professor of industrial chemistry, is working on a new type of cell for transport numbers.

It is not known definitely just what departments will occupy the new Chemistry Building nor at what time they will move in.

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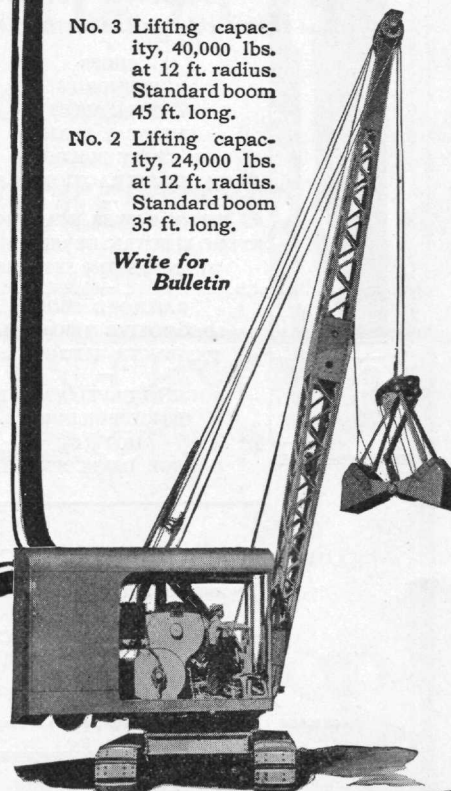
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## CAMPUS NOTES


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### MINERS AND METALURGISTS

On April 6th Mr. Hansen of the American Rolling Mills Company spoke before the A. I. M. M. E. on the subject "The Graduate Engineer in Practical Work." He explained that the college graduate, in order to obtain results, must put aside his college airs and clothes and don the overalls of the working man. It is then, and not until then, that the new engineer will gain the confidence and respect of his men. Mr. Hansen's talk was one of great importance and interest to the student engineer.

On April 27th Mr. Thorne, who was returning to London from Nigeria, visited the university and spoke before the Miners and Metalurgists upon the subject "The Engineers Life in the Bush." Mr. Thorne is one of the foremost alluvial mining engineers of the day and his talk was naturally of great interest. He emphasized especially the troubles that the engineer encounters with the natives in that part of Africa in which he was located. He states that the native negro is extremely thievish, together with his natural laziness and inability to comprehend orders. Furthermore, ordinary punishment, such as jailing, does not seem to affect them in any way. In many cases the lash has to be resorted to.

Perhaps the most interesting feature of Mr. Thorne's talk was a practical method for the testing of alluvial deposits, one that he has used in the present tin workings of Nigeria.



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